

Threat categories and classification

Threats	Category	Sub-category		
	Source	Internal		
		External		
	Type	Opportunistic		
		Accidental		
		Deliberate		
		Environmental		
	Costs/Severity	Operational Impact		
		Monetary Impact		
		Regulatory Impact		
		Reputation Impact		
	Likelihood	Very likely		
		Likely		
		Unlikely		
		Very unlikely		

List of likely threats			Primary Risk (Confidentiality, Integrity, Availability)	Other names
Type 1	External agent controlling institutional computer/subsystems for			
		a. Unsolicited messages	A	SPAM
		b. Attack other computer	C	Attack
		c. Illegal activity such as DMCA violation	C,A	"Copyright" violation
		d. Co-opting and leaving backdoors	C,I,A	Trojans, Spyware, Ad-ware, zombies
	External agent, without permission, controlling institutional subsystems/apps for			
		e. Browsing/modifying/ disclosing/stealing data for financial gains	C,I	Hacking
		f. Browsing/modifying/ disclosing/stealing data for curiosity reasons	C,I	Hacking
		g. Modifying/destroying data for malice	C,I,A	Hacking with malice
		h. Interrupting service	I,A	Denial of Service

List of likely threats		Primary Risk (Confidentiality, Integrity, Availability)	Other names
Type 2	Internal computer-expert agent abusing assigned privilege for		
	a. Illegal activity such as DMCA violation	C,A	"Copyright" violation
	b. Using institutional computers and IT resources for non-institutional purposes	I	Stealing cycles
	c. Abusing personal use limits	A	
	d. Stealing intellectual property, business reports	C	Stealing property
	e. Denying or delaying use or access of a resource, or destruction of a resource	I,A	Denial of Service
Type 3	Internal users abusing assigned privilege for		
	a. Browsing/modifying/disclosing data for financial gains	C,I	Stealing money, Abuse privilege
	b. Browsing/modifying/disclosing data for curiosity reasons	C,I	Abuse privilege
	c. Modifying/destroying data for malice	I,A	Abuse privilege with malice
	d. Deny or delay use or access of a resource	I,A	Denial of Service
Type 4	Internal users accidentally		
	a. generate/propagate incorrect data	I	
	b. disclose data	C	
	c. modify/destroy data	I,A	
	d. Deny or delay use or access of a resource	A	Denial of Service
Type 5	Environmental and equipment related threats		
	a. Equipment failure	I,A	Backup
	b. Natural disasters	I,A	Disaster Recovery
	c. Equipment/media theft	C,A	Physical security